

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF THE CLAIMS

1. (currently amended) A conveyance apparatus for use with carriages, comprising a rail device and a carriage configured to be supported and guided by this rail device and allowed to move along a fixed route, wherein ~~characterized in that~~ the carriage is provided with a rotary control means configured to extend ~~extending~~ to the left and right from the carriage ~~[[body]]~~, a transport object support means capable of rotating about an anteroposterior axis is provided to a free end section of the rotary control means, and the rotary control means is configured to be supported and guided by a guide rail laid along the rail device and between the rail device and the anteroposterior axis.

2. (currently amended) A conveyance apparatus for use with carriages as claimed in Claim 1, wherein ~~characterized in that~~ the rotary drive means capable of connecting with and disconnecting from the rotary control means is provided at a prescribed location along the fixed route.

3. (currently amended) A conveyance apparatus for use with carriages as claimed in Claim 2, wherein ~~characterized in that~~ the rotary control means has a transversely extending control shaft, and the rotary drive means can be put in or out of engagement with the control shaft by being moved transversely.

4. (currently amended) A conveyance apparatus for use with carriages as claimed in Claim 2, wherein ~~characterized in that~~ the rotary control means has a transversely extending control shaft, and the rotary drive means can be put in or out of engagement with the control shaft by being moved to approach to or a distance from an ~~[[the]]~~ external periphery.

5. (currently amended) A conveyance apparatus for use with carriages as claimed in any of Claims 1 to 4, wherein ~~characterized in that~~ the transport object support means

comprises a base on a ~~[[the]]~~ side of the rotary control means and a distal portion for supporting a ~~[[the]]~~ transport object, the distal portion being able to pivot about a longitudinal axis in relation to the base.

6. (currently amended) A conveyance apparatus for use with carriages as claimed in any of Claims 1 to 4, ~~wherein characterized in that~~ the fixed route is configured to pass ~~passes~~ through a treatment section, and the rotary control means is configured to be rotated in accordance with the type of treatment performed in this treatment section.

7. (currently amended) A conveyance apparatus for use with carriages as claimed in Claim 5, ~~wherein characterized in that~~ the fixed route is configured to pass ~~passes~~ through a treatment section, and the rotary control means is configured to be rotated in accordance with the type of treatment performed in this treatment section.

8. (currently amended) A conveyance apparatus for use with carriages as claimed in any of Claims 1 to 4, ~~wherein characterized in that~~ the transport object support means is configured to be rotated into a pendant position, and a liquid treatment is configured to be performed on a ~~[[the]]~~ transport object supported on a ~~[[the]]~~ free end section of the transport object support means in a ~~[[the]]~~ treatment section.

9. (currently amended) A conveyance apparatus for use with carriages as claimed in Claim 5, ~~wherein characterized in that~~ the transport object support means is configured to be rotated into a pendant position, and a liquid treatment is configured to be performed on the transport object supported on a ~~[[the]]~~ free end section of the transport object support means in a ~~[[the]]~~ treatment section.

10. (currently amended) A conveyance apparatus for use with carriages as claimed in Claim 5, ~~wherein characterized in that~~ at a prescribed location along the fixed route, a turning means is provided for turning, about a longitudinal axis, the ~~[[a]]~~ transport object support means that has been rotated about an anteroposterior axis in a horizontal position.

11. (currently amended) A conveyance apparatus for use with carriages as claimed

in Claim 7, ~~wherein characterized in that~~ at a prescribed location along the fixed route, a turning means is provided for turning, about a longitudinal axis, the ~~the~~ transport object support means that has been rotated about an anteroposterior axis in a horizontal position.

12. (currently amended) A conveyance apparatus for use with carriages as claimed in Claim 9, ~~wherein characterized in that~~ at a prescribed location along the fixed route, a turning means is provided for turning, about a longitudinal axis, the ~~the~~ transport object support means that has been rotated about an anteroposterior axis in a horizontal position.

13. (currently amended) A conveyance apparatus for use with carriages as claimed in any of Claims 1 to 4, ~~wherein characterized in that~~ the fixed route is configured to pass ~~passes~~ through an electrodeposition chamber and a drying furnace; ~~[[that]]~~ in the electrodeposition chamber, the transport object support means is configured to be rotated into a pendant position where the transport object supported on the free end section of the transport object support means is introduced into a paint solution tank, and the transport object support means is configured to then be rotated into a horizontal position where the transport object is drained of excess solution; and ~~[[that,]]~~ in the drying furnace, the transport object support means is configured to be rotated into a vertical position where the transport object is dried.

14. (currently amended) A conveyance apparatus for use with carriages as claimed in any of Claims 1 to 4, ~~wherein characterized in that~~ the fixed route is configured to pass ~~passes~~ through a plurality of treatment sections; ~~[[that]]~~ the first-stage treatment section is an electrodeposition chamber; ~~[[that]]~~ the transport object support means is configured to be rotated into a pendant position where the transport object supported on the free end section of the transport object support means is introduced into a paint solution tank, and the transport object support means is configured to be ~~[[then]]~~ rotated and tilted slightly upward relative to the horizontal position where the transport object is drained of excess solution; and ~~[[that]]~~ the object is configured to be conveyed in the tilted state to a second-stage treatment section.